

WHAT IS CLAIMED IS:

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any
1. A frame assembly for a child bouncer seat, the frame assembly including a disassembled configuration and an assembled configuration, comprising:

an upper frame including left and right ends;

a left and right hub assembly, each of the hub assemblies includes a first receptacle coupled to a respective one of the left and right ends, and a second receptacle;

a lower frame including left and right members having respective forward and rearward ends, wherein the forward ends are connected to the second receptacles when the frame assembly is in the assembled configuration and wherein at least one of the forward ends is disconnected from a respective second receptacle when the frame assembly is in the disassembled configuration; and

a pivot connecting the rearward ends, wherein when the frame assembly is in the disassembled configuration, at least one of the left and right members are rotatable about the pivot so as to allow the at least one of the left and right members to be positionable between a first and second angular position relative to the other.

2. The frame assembly of claim 1 wherein the left and right members are L-shaped.

3. The frame assembly of claim 2, wherein each of the left and right L-shaped members include a short leg extending from left to right and right to left, respectively, and a long leg, the long leg extending forwardly from the respective short leg, and each of the short legs have a first end proximate the long leg and a second end,

wherein the pivot couples the left L-shaped member to the right L-shaped member through the second ends of the short legs.

4. The frame assembly of claim 3, wherein the pivot is disposed approximately equidistant from the left and right long legs.

5. The frame assembly of claim 4, wherein the pivot is a fastener received within a pair of cooperating holes formed in the short leg second ends.

6. The frame assembly of claim 1, the frame assembly being adapted for use on a support surface, wherein the hub assemblies are rigid relative to the lower frame, wherein a portion of the left and right members is elevated from the support surface so as to be resiliently displaceable

relative to the hub assemblies, the elevated portion defining a flexural member providing bouncing motion when the frame assembly is in the assembled configuration.

7. The frame assembly of claim 1, wherein the first angular position is formed when the left and right forward ends are spaced from each other and the second angular position is formed when the left and right forward ends are positioned approximately adjacent each other.

8. The frame assembly of claim 1 wherein the lower frame pivots between at least one unfolded position in which the lower frame is angularly displaced from the upper frame and a folded position in which the lower frame lies substantially co-planar with the upper frame.

9. The frame assembly of claim 8 wherein the lower frame being angularly displaced from the upper frame corresponds to a rotational displacement about a first axis, wherein the left and right hub assembly are positionable between at least one first orientation and a second orientation, the at least one first orientation corresponding to the first receptacle being rotationally offset from the second receptacle, the rotational offset being measured relative to the first axis,

wherein when the lower frame is in the at least one unfolded position, the left and right hub assemblies are in the at least one first orientation and wherein when the lower frame is in the folded position the left and right hub assemblies are in the second orientation.

10. The frame assembly of claim 1 wherein the left and hub assemblies are disposed adjacent the support surface.

11. The frame assembly of claim 1 further comprising an intermediate frame coupled to the upper frame.

12. The frame assembly of claim 11 wherein the intermediate frame is pivotable between a first position adjacent the upper frame and a second position angularly spaced from the upper frame.

13. The frame assembly of claim 1 wherein each of the hubs include a first housing and a second housing;

the first housing including a first gear surface, a button, and the first receptacle;

the second housing including a second gear surface and the second receptacle;

the first and second gear surfaces are circular in shape and include radially extending teeth;
and
a gear having teeth engageable with each of the first and second gear surfaces; and
the button engages the gear.

14. The frame assembly of claim 13 wherein the button and the gear are displaceable relative to the first and second housings to disengage the gear from at least one of the first and second gear surfaces so that the first housing is rotatable relative to the second housing.

15. The frame assembly of claim 1 wherein the upper frame describes a seat support adapted to receive a seating surface; and
the left and right ends extend forwardly and outwardly from the seating area and the left and right members extend rearwardly and inwardly from the second receptacles.

16. A child seat comprises:
a first frame including a seat back portion, left and right ends and a bend formed between the seat back portion and each of the left and right ends;
a second frame having left and right portions pivotably coupled to the first frame by engagement with the bends; and
wherein the second frame is rotatable about the bends between a deployed position in which the second frame is angularly spaced from the first frame so as to provide a seat support, and a folded position in which the second frame is substantially co-planar with the first frame.

17. The child seat of claim 16 wherein the bends are serpentine bends.

18. The child seat of claim 16 wherein the first frame is a unitary first frame.

19. The child seat of claim 16 wherein the second frame is formed by a single piece of wire-like material and the first frame is formed by a single piece of wire-like material.

20. The child seat of claim 16 wherein the seat back portion defines a plane substantially corresponding to a seating surface, wherein each of the bends is serpentine-like and includes a first, second and third section, the second section extending forwardly from the seat back portion plane

and being disposed between the first and third sections, and the first and third sections extending approximately parallel to the seat back portion plane,

wherein the second section and the first section supports the second frame as a cantilever in the deployed position and the second frame is rotated about the second section when the second frame is positioned in the folded position.

21. The child seat of claim 16, wherein the second frame is engaged with the bends by eyelets formed at the second frame left and right portions.

22. The child seat of claim 21, wherein the bends and the eyelets are formed from wire-like material.


23. The child seat of claim 14 further including a ground engaging base coupled to the left and right ends.

24. The child seat of claim 23 wherein the base includes left and right base portions and wherein the base is pivotally coupled to the left and right ends by a left and right hub each having a first portion connected to a respective one of the left and right ends and a second portion connected to a respective one of the left and base right portions.

25. The child seat of claim 24 wherein the base is displaceable relative to the seat back portion to position the base substantially co-planar with the seat back portion when the second frame is in the folded position.

26. The child seat of claim 16 wherein the child seat is a bouncer seat.

27. A frame assembly for a child bouncer seat, the frame assembly including a disassembled configuration and an assembled configuration, comprising:
an upper frame including left and right ends;
a lower frame including left and right members each having a forwardly extending first section, each of the first sections having a forward end, wherein the forward ends are connected to the left and right ends, respectively, when the frame assembly is in the assembled configuration and wherein at least one of the forward ends is disconnected from the respective left and right ends when the frame assembly is in the disassembled configuration; and

(12/2)  a second section extending rearwardly from each of the first sections, the second sections being connected to each other by a coupling that permits relative motion between the left and right members such that the left and right members are positionable between a first orientation wherein at least the left and right forward ends are positioned at a first distance from each other and a second orientation wherein at least the left and right forward ends are positioned at a second distance from each other, the first distance being greater than the second distance;

wherein when the frame assembly is in the assembled configuration, the forward ends are positioned at the first distance from each other and wherein when the frame assembly is in the disassembled configuration, the forward ends are positioned at the second distance from each other.

28. The frame assembly of claim 27, wherein the left and right members are substantially L-shaped wherein a bend is formed between each of the first and second sections.

29. The frame assembly of claim 27, wherein the second sections are pivotally coupled to each other.

30. The frame assembly of claim 29, wherein the pivotal coupling between second sections is formed by a pin received within cooperating holes disposed on the second portions.

31. The frame assembly of claim 27, wherein each of the second sections extends longitudinally between a first portion and a second portion, wherein the second portions are connected to each other by said coupling when the left and right members are in each of the first and second orientations, and

wherein when the forward ends are positioned at the first distance from each other the second portions of the second sections are positioned at a third distance from each other, and

wherein when the forward ends are positioned at the second distance from each other the second portions of the second sections are positioned at a fourth distance from each other, the third distance being greater than the fourth distance.

32. The frame assembly of claim 27, wherein the upper frame and lower frame are formed from tubular material.

33. A method for assembly of a child's seat by a consumer comprising the steps of:

providing an upper frame including a seating area and left and right seat support ends extending forwardly and downwardly therefrom;

providing a lower frame coupling at the left and right seat support ends, the lower frame coupling including left and right lower frame housings;

providing a lower frame portion including left and right ground-engaging frame members each having forward and rearward ends;

providing a pivot connection connecting the rearward ends of the frame members;

rotating the frame members about the rearward ends so as to position the forward ends from a disassembled, proximal position to a deployed distal position with respect to each other;

coupling the lower frame to the upper frame by inserting the forward ends into the left and right lower frame housings;

rotating the lower frame coupling relative to the upper frame coupling so as to configure the seat from a folded to a deployed position.

34. The method for assembly of a child's seat by a consumer of claim 33, further comprising the step of

rotating the upper frame relative to the lower frame from a collapsed position to a deployed position.

35. The method for assembly of a child's seat by a consumer of claim 34, wherein the step of rotating the upper frame relative to the lower frame corresponds to rotating the upper frame about the lower frame housings.

36. The method for assembly of a child's seat by a consumer of claim 35, further comprising the step of providing an actuator on at least one of the lower frame housings to permit rotation of the

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